<u>Arbovirus Surveillance Plan 2008</u>

Craig Levy
Arizona Department of Health Services
Vector-Borne Diseases Program
(602) 364-4562 levyc@azdhs.gov



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STAY THE COURSE!

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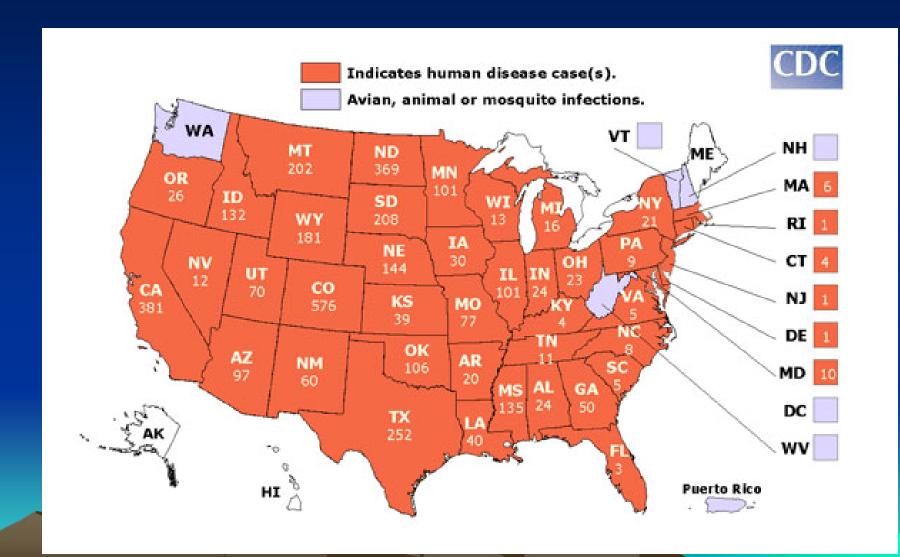
West Nile Virus Stats - 2007

National Stats from CDC Website:

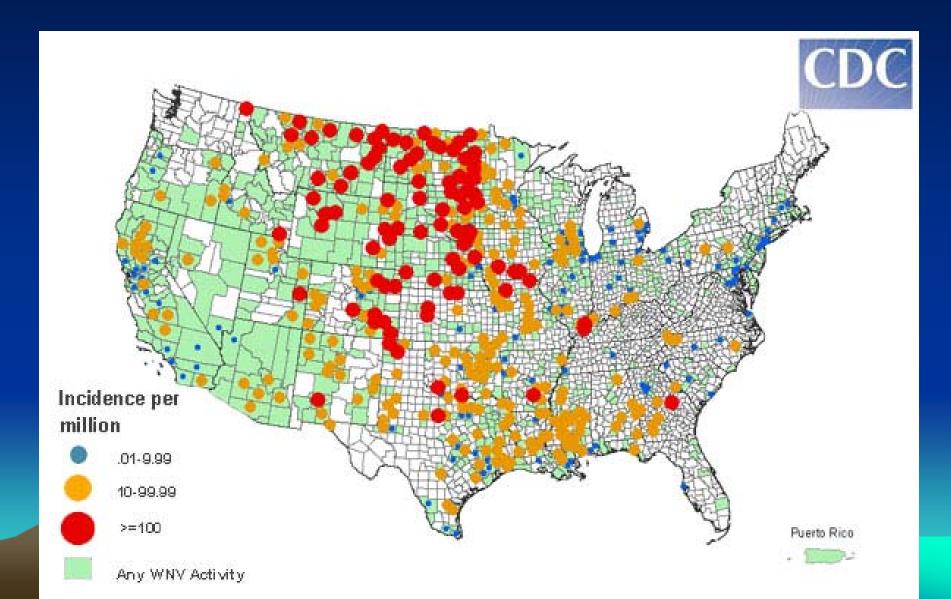
- Human cases 3,598 (43 states)
- Viremic Blood Donors 335
- Equine cases 503
- Avians 2,181
- Mosquito Pools 8,029
- Sentinel Chickens 889

(Note: some ↓ stats is a reflection of ↓ infrastructure)

WNV Cases 2007



WNV Case Incidence Map



Arizona Stats - 2007

- Human cases 97*
- Viremic Blood Donors 14
- Equines 18
- Mosquito Pools 274
- Dead Birds 10
- Sentinel Chickens 35

(*AZ ranked 14th among the 43 states.)

WNV Update - 2008

- California
 - 8+ WNV dead birds (mostly from San Diego County)
 - 2 WNV+ sentinel chickens

Alabama – WNV+ sentinel birds

WNV 2008

- Federal WNV funding \(\psi \) affects all states.
- In spite of ↓ funding, Arizona will continue same level of support as in 2007.
- All modes of surveillance good to go.
- The best surveillance program is a comprehensive one.

WNV Surveillance Plan 2008

- Human case F/U
- Mosquito pools
- Dead bird testing
- Equine case F/U
- Sentinel chickens
- Other animals
- April 1st, 2008





Human Case Surveillance

- Serologic testing @ the State Health Lab
- Commercial IgM ELISAs also reliable
- Commercial IgG ELISAs limited value
- NOTE: a new rapid in-house serologic assay
 has been developed by an MD in Arizona.
 Spectral® WNV IgM assay is being marketed
 by a Canadian Company. It takes15 minutes read color change. This = screening test.
 Further validation testing is recommended.

WNV Pregnancy Study

- Tulane University is continuing the WNV pregnancy study nationwide.
- Arizona is participating IRB approved.
- Any WNV cases dx in pregnant female should be reported to:

Dawn Wesson, PhD - wesson@tulane.edu Scott McRae - rmcrae@tulane.edu WNV Pregnancy Project Coordinators Tulane University (504) 988-1540

Mosquito Pool Surveillance

- Testing performed by:
 - Arizona State Health Lab PCR
- Maricopa Co. Vector Control RAMP
- Pima Co. Consumer Health RAMP
- Pinal Co. Env. Health RAMP
- Yuma Co. Pest Abate. Dist. RAMP
- Yuma Co. Health Dept. RAMP
- ADHS VBZD RAMP
- ** RAMP does not detect SLE!



Dead Bird Surveillance



Dead Bird Surveillance

- Testing performed by the UA-Veterinary Diagnostic Laboratory, Tucson – IHC, PCR & RAMP
- RAMP assay capability @ MCVC, Pima,
 Pinal, Yuma HD, Yuma PAD, ADHS-VBZD
- All bird species are accepted so long as they are "fresh." But: doves & pigeons have low surveillance value.



Avian Flu Surveillance

- AZ Game & Fish Dept. is asking for reports of Wetland birds (ducks, geese, shorebirds) and Raptors (hawks, eagles, owls) to be reported to their hotline for H5N1 Al surveillance.
- 1-877-97AVIAN or 1-877-972-8426
- Log-on to <u>www.azgfd.gov/ai</u>

Equine Case Surveillance

- Horse surveillance testing by UA-VDL
- Bloods IgM ELISA
- Tissues IHC & PCR





Sentinel Chicken Surveillance

- Testing IFA IgG
 - AZ State Health Lab
 - UA -Vet. Diag. Lab.

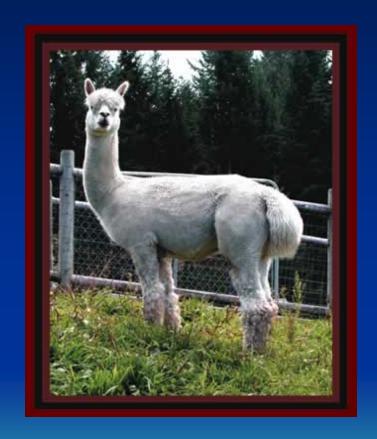




Other Animal Surveillance

• UA-VDL: IHC, PCR







Surv. & Vector Control Supplies

- Shipping boxes & packing inserts
- EVS mosquito traps
- Plastic tubes for mosquito samples
- Altosid briquets (limited supply)
- RAMP assay kits
- WNV prevention education materials (brochures, kids ed., posters & magnets)

Communication Plan

- Phone calls to affected counties
- Email groups updates (sign-up sheet)
- Weekly teleconferences (if needed)
- Epi-AZ
- Health Alert Network
- SIREN

Education / Outreach

- Press Releases coordination w/ partners
- Webpage www.westnileaz.com
- Brochures, posters, etc.
- Hotline
- Local presentations
- PSA campaign ??? (very doubtful)

CDC Fight-the-Bite Poster Contest

- Go to <u>http://www.cdc.gov/Features/FightTheBite</u>
 Contest
- Due date = April 4th
- 5th and 6th graders nationwide
- Prizes \$1,000 bonds for the top-two posters

West Nile Virus Team

- Arizona Dept. Health
 - State Health Lab
 - VBZD staff

JOB WELL DONE!

- Local Partners
- County Health Depts
- Indian Health Service
- Indian Tribes
- CDC Ft. Collins
- Yuma Co. Pest Abate. Dist.
- UA Vet. Diag. Lab
- Aquatic Consulting
- US Army CHPPM
- Air Force
- Blood Systems
- Univ. of Arizona
- Chinle Veterinary Clinic
- Cities

